

**Abstract**

**Apparatus for data transmission path detection**

The invention relates to an apparatus for receiving a data stream (102) which can be transmitted via at least one data transmission path (101, 101a, 101b, 101c), having a data stream receiver (100) for receiving the data stream (102), a power delay profile determination unit (303) for determining at least one power delay profile (300), a peak value detection device (501) for detecting at least one peak value (401a-401n) in the determined power delay profile (300), a data transmission path profile determination device (502) for determining a data transmission path profile for the at least one data transmission path (101), a filtering device (503) for suppressing shadow path signals (101s) and for outputting a finger positioning signal (504), and a setting device (305) for setting data transmission paths (101), which are associated with a data transmission, on the basis of the finger positioning signal (504).

**Figure 5**